

Appln No. 10/037,671

Amdt date August 30, 2005

Reply to Office action of March 30, 2005

REMARKS/ARGUMENTS

In the Office action mailed March 30, 2005, the drawings were objected to, the disclosure was objected to, claim 18 was objected to, and various claims were rejected. In addition, claims 8, 11, 12, 15, 16, and 17 were indicated as allowable if rewritten. Applicant thanks Examiner for attention to the application.

The drawings are objected to as FIGs. 1 and 3 were indicated as requiring arrows indicating the direction of the outputs and inputs to the components for better clarification. FIGs. 1 and 3 are now amended as indicated in the Office action.

The disclosure is objected to as the term "N" should be defined and the term "n" should be changed to "N" for consistency. The term "N" is used in the manner of a variable, as is recognized by those of skill in the art. This may be seen, for example, in the statement in the application on p. 3, lines 31-32 "[t]hat is, the counter counts from zero to N-1, with the counter returning to zero when the count reaches N." The specification also states at p. 3, lines 33-35 that "n is determined so that the range of possible taps from the delay line ranges within one clock period of the reference clock." and states at p. 4, lines 3-4 that "N is determined by the number of taps equivalent to one clock period of the reference clock." Accordingly, it is believed that the term "N" is sufficiently defined. In addition, the term "n" has been changed to "N" in various locations in the specification.

The specification is also objected to for the term "reference clock" cited in what is believed to be page 4 of the application. The application states on page 3, lines 8-11 that

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"[i]n the clock recovery unit of FIG. 1, a clock signal, such as a local reference clock signal, or as iin [sic] FIG. 1 an external clock signal 39a is provided to a clock phase generator." A reference clock signal is merely that, a clock signal which serves as a reference. As indicated in the specification, a clock signal may be locally generated or provided as an external clock signal. In addition, it is noted that claim 1 has been canceled.

The disclosure is also objected to as in FIG. 3, the labels 139a-d and D0+/- to D15+/- are not disclosed in the specification. The specification includes the drawings as filed, although the labels 139a-d and D0+/- to D15+/- are not mentioned in the text. The specification is now amended to indicate that the sampling signal 303 is provided as a clock input to clocked registers 139a-d, as can be seen in FIG. 3. The labels D0+/- to D15+/- are being canceled from FIG. 3.

The text discussing FIG. 3 indicates at one point that the delay line is item number 37. This has been corrected to indicate that the delay line in FIG. 3 is labeled as 137.

Claim 18 was objected to as the terms "N" and "K" are not defined within the claim. It is not believed that the terms "N" and "K" require further definition with the claim. However, claim 18 has now been canceled.

Claim 1 is objected under 35 U.S.C. §112, first paragraph. Without acquiescing to the rejection under 35 U.S.C. §112, first paragraph, claim 1 has been cancelled and the issue is moot.

Rejected claims 2-7, 9-10, and 18-21 have also been cancelled. Accordingly, claims 8 and 11-17 remain in the application. Of these, claims 8, 11, 12, 15, 16 and 17 (namely,

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all but claims 13 and 14) were indicated as allowable if rewritten to overcome rejections under 35 U.S.C. §112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims. It is respectfully noted that there are no 35 U.S.C. §112, second paragraph rejections set forth in the Office action, and it is assumed that the reference to same was inadvertent.

Claim 8 is an independent claim and therefore does not need to be rewritten to include any limitations of a base claim and any intervening claims. Claim 11 has been rewritten in independent form, including all of the limitations of the base claim, claim 9, and any intervening claims, claim 10. Claims 12, 15 and 16 depend ultimately on claim 11, and therefore it is not believed that they are required to be rewritten in independent form.

In addition, it is noted that the Office action rejects claims 13 and 14 under 35 U.S.C. §102. It is respectfully noted that claims 13 and 14 depend ultimately on allowable claim 11, and are also therefore allowable.

Accordingly, the application is in condition for allowance, and allowance of same is respectfully requested.

Respectfully submitted,

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Enclosures: Amended FIGs. 1 and 3

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Amendments to the Drawings:

The attached sheet of drawings includes changes to FIGs. 1 and 3. The sheets, which includes Figs. 1 and 3, replaces the original sheets including Figs. 1 and 3.

Attachment: Replacement Sheet
 Annotated Sheet Showing Changes

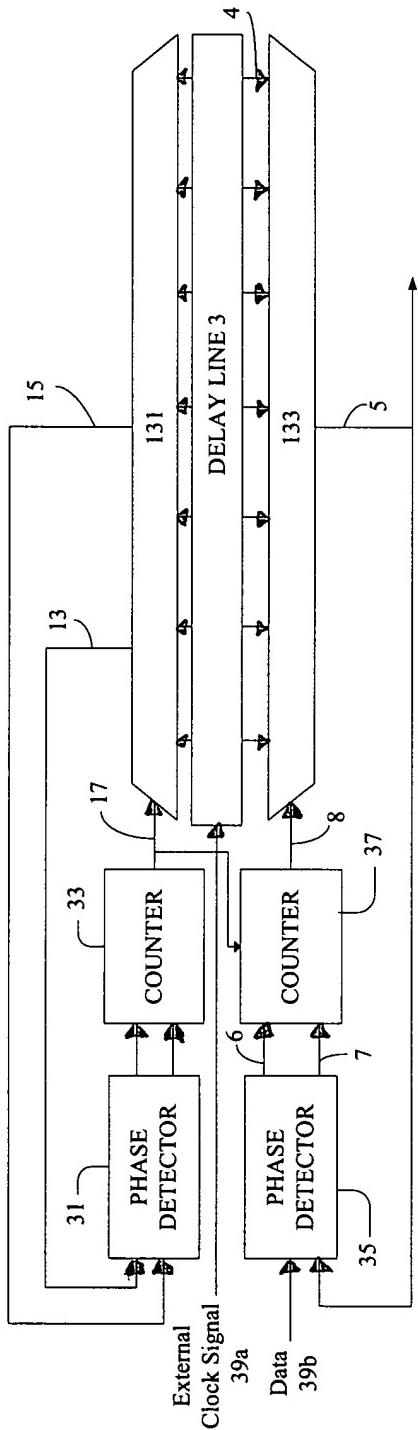
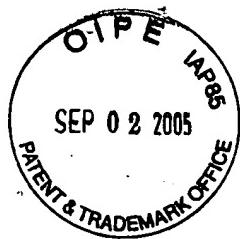


FIG. 1



FIG. 3

